

**APPENDIX FOR METHOD AND APPARATUS
FOR IMPROVED INFORMATION STORAGE AND
RETRIEVAL SYSTEM**

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1 [Oid] 2 [Label]		3 [Identifier]	4 [Comment]	Type support
Basic Attributes of all objects				
1	Oid	fidOid	This is the ObjectId pseudo-column.	210 [Column]
2	Label	fidLabel	A short description of an object. The label is used to identify objects in folders, queries, etc	210 [Column]
3	Identifier	fidIdentifier	Stores the symbolic identifier for an object.	210 [Column]
4	Comment	fidComment	Stores a comment about the object	210 [Column]
Type support				
Type-related attributes for all objects				
101	Type Id	fidCid	This points to the type of the object.	210 [Column]
Attributes needed to support Types				
120	Supertype	fidTypeSupertype	The supertype is used to delegate behavior to.	210 [Column]
121	Subtypes	fidTypeSubtypes		210 [Column]
122	Label Generator	fidTypeLabelGenerator	Stores the method that is used in building a label for the object. Different types may have different methods, for example, People may use the 'Name' column as a label, while Memos may use the 'Subject' column as a label.	210 [Column]
123	Default Folder for Instances	fidTypeDefaultFolderForInstances	Every object must live in a folder. The folder is determined when the object is saved. If no folder is explicitly specified, the object asks its type for the default folder. Inherited from supertype if need be.	210 [Column]
Types needed to support Types				
110	Root Type	cidRootType	This is the root type in the type hierarchy. It contains behavior that all types have in common.	111 [Type]
111	Type	cidType	This is the type for all types	111 [Type]
Folders needed to support Types				
130	Types	folderSystemTypes	This is the folder that stores all the system types	310 [Folder]
131	Types	folderUserTypes	This is the folder that stores all the types available to the user	310 [Folder]
Icons needed to support Types				
140	Type	iconType	This is the icon for types	410 [Icon]
Column definition support				
Attributes for all Column Definitions				
201	Column Domain	fidColumnDomain	What kind of object is stored in the column, such as Text, Number, etc	210 [Column]
202	Hidden Attribute?	fidColumnHidden	If true, this attribute does not show on automatically generated templates	210 [Column]
203	Column Prompt	fidColumnPrompt	A help prompt for this column that will show in the status line	210 [Column]
204	Inherit default value from	fidColumnInheritDefaultValueFrom	A help prompt for this column that will show in the status line	210 [Column]
Attributes for OID Columns				
220	Synchronize with	fidColumnOidSynchronizeWith	If not null, this column is will set up a two way link between this column and the specified other column.	210 [Column]

1 [Obj]	2 [Label]	3 [Identifier]	4 [Comment]	101 [Type Id]
221	Search path	fidColumnOidSearchPath		210 [Column]
			This stores one or more default search paths for this column. The search paths are used to do a lookup on a string value typed by the user. In particular, this is used when converting a string into an OID.	
222	Restrict to Type	fidColumnOidRestrictToType	This column limits the type of the oid	210 [Column]
Attributes for Text Columns				
223	Identifier?	fidColumnIsIdentifier		210 [Column]
Attributes for Popup Text Columns				
224	Lookup required?	fidColumnLookupRequired	If true, a lookup is required for this column. To determine the list of values to check against, the lookup can use either an internally stored list or a query	210 [Column]
225	Internally stored lookup list	fidColumnLookupPopupValues	Enter the list of popup lookup values for this column.	210 [Column]
226	Source for lookup	fidColumnLookupSource		210 [Column]
Types needed to support Column Definitions				
210	Column	cidColumn		111 [Type]
Folders needed to support Column Definitions				
230	Columns	folderSystemColumns	This is the folder that stores all the system columns	310 [Folder]
231	Columns	folderUserColumns	This is the folder that stores all the columns available to the user	310 [Folder]
Icons needed to support Column Definitions				
240	Column	iconColumn	This is the icon for columns	410 [Icon]
Folder support				
Folder-related attributes for all objects				
301	Parent Folder	fidParentFolder	This stores the parent folder for this object.	210 [Column]
Attributes needed to support folders				
320	Folder Children	fidFolderChildren	This stores the child objects in the folder	210 [Column]
Types needed to support Folders				
310	Folder	cidFolder	This is the type for all folders	111 [Type]
Standard folder objects				
330	Root	folderRoot	The parent of all other folders	310 [Folder]
331	System	folderSystem	Stores all system objects	310 [Folder]
332	User	folderUser	Stores all user-defined objects	310 [Folder]
333	Log	folderChron	Stores a log of all objects, in reverse chronological order	310 [Folder]

1 [Old]	2 [Label]	3 [Identifier]	4 [Comment]	101 [Type Id]
334	Index	folderIndex	This parent folder for all index folders	310 [Folder]
Icons needed to support Folders				
340	Folder	iconFolder	This is the icon for folders	410 [Icon]
Icon Support				
Icon-related attributes for all objects				
401	Icon Id	fidIconId	The id of the icon for this object. Inherit from my type as needed	210 [Column]
Attributes needed to support Icons				
420	Icon File	fidIconFile	The external file where the icon is stored	210 [Column]
421	Icon Bytes	fidIconBytes	The internal bytearray where the icon is stored	210 [Column]
Types needed to support Icons				
410	Icon	cidIcon	The type for all Icons	111 [Type]
Folders needed to support Icons				
430	Icons	folderSystemIcons	This is the folder that stores all the system icons	310 [Folder]
431	Icons	folderUserIcons	This is the folder that stores all the icons available to the user	310 [Folder]
Icons needed to support Icons				
440	Icon	iconIcon	This is the icon for icon objects	410 [Icon]
Query support				
Attributes needed to support Queries				
520	OldList	fidQueryOldList	This stores the list of olds used to seed the query	210 [Column]
521	Options	fidQueryOptions	This stores the options used to generate the query	210 [Column]
Types needed to support Queries				
510	Query	cidQuery	This is the type for all queries	111 [Type]
Folders needed to support Queries				
530	Queries	folderSystemQueries	This is the folder that stores all the system queries	310 [Folder]
531	Queries	folderUserQueries	This is the folder that stores all the queries available to the user	310 [Folder]
Icons needed to support Queries				
540	Query	iconQuery	This is the icon for queries	410 [Icon]
Important Word/Term support				
Term-related attributes for all columns				
601	Index Whole?	fidColumnIndexWhole	If true, the whole column is considered an important word	210 [Column]
602	Weight	fidColumnWeight	The weight given to index terms in this column	210 [Column]
Attributes needed to support Terms				
620	Cell Ids	fidTermCellIds	The list of cells that use this term, with weights attached to each. The default weights are determined by the 'weight' of the column, but can be modified by the user.	210 [Column]
621	Parent Concept	fidTermParentConcept	The oid of the parent concept for this term.	210 [Column]
Types needed to support Terms				
610	Term	cidTerm	The type for all Terms	111 [Type]

1 [Obj]	2 [Label]	3 [Identifier]	4 [Comment]	101 [Type Id]
Folders needed to support Terms				
630	Natural	folderIndexNatural	The standard folder for all terms	310 [Folder]
631	Identifier	folderIndexIdentifier	The standard folder for all identifiers	310 [Folder]
Concept support (Knowledge base)				
Attributes needed to support Concepts				
701	Concept Name	fidConceptName	A pointer to the main Term for this concept.	210 [Column]
702	Synonyms	fidConceptTerms	The list of synonyms for this concept	210 [Column]
703	More Specific Terms	fidConceptChildren		210 [Column]
704	More general terms	fidConceptParents		210 [Column]
705	See also	fidConceptSiblings		210 [Column]
Types needed to support Concepts				
710	Concept	cidConcept	The type for all Concepts	111 [Type]
Record Support				
Attributes for all Records				
801	Record Contents	fidRecordContents	Stores a list of columns used in a record, and their order.	210 [Column]
Support for Standard Objects				
Blank Paper				
1000	Note		The type for PostItt notes	111 [Type]
1001	Note		The icon for PostItt notes	410 [Icon]
1002	Note	fidNotes	The notes column is used for PostItt note / blank paper type objects	210 [Column]
People				
1010	Person		The type for People	111 [Type]
1011	Person		The icon for People	410 [Icon]
1012	Name			210 [Column]
1013	Address			210 [Column]
1014	City			210 [Column]
1015	State			210 [Column]
1016	Zip			210 [Column]
1017	Phone			210 [Column]
1018	Work Phone		If not specified, try looking up the phone of the 'Employed by' column.	210 [Column]
1019	Employed By			210 [Column]
Companies				

1 [Obj]	2 [Label]	3 [Identifier]	4 [Comment]	101 [Type Id]
1020	Company		The type for companies	111 [Type]
1021	Company		The icon for companies	410 [Icon]
1022	Company			210 [Column]
1023	Type of Business			210 [Column]
1024	Employees			210 [Column]
Books				
1030	Book		The type for books	111 [Type]
1031	Book		The icon for books	410 [Icon]
1032	Author			210 [Column]
1033	Title			210 [Column]
1034	Publisher			210 [Column]
1035	Date of publication			210 [Column]
Appointments				
1040	Appointment		The type for appointments	111 [Type]
1041	Appointment		The icon for appointments	410 [Icon]
1042	Who with			210 [Column]
1043	When			210 [Column]
1044	Why			210 [Column]
Memos				
1050	Memo		The type for memos	111 [Type]
1051	Memo		The icon for memos	410 [Icon]
1052	From			210 [Column]
1053	To			210 [Column]
1054	Subject			210 [Column]
1055	Date			210 [Column]
Support for External Documents				
1060	Document		The type for documents	111 [Type]
1061	Document		The icon for documents	410 [Icon]
1062	Document Type			210 [Column]
1063	Document Path			210 [Column]
Examples of objects				
1100	DEXIS		Makes a new category of end-user product. The DEXIS InfoEngine is a perfect foundation for any kind of information centric application, such as PIMs , groupware , workflow , etc.	1020 [Company]

1 [Id]	2 [Label]	3 [Identifier]	4 [Comment]	101 [Type Id]
1101	Scott Wlaschin		Architect of the <u>InfoEngine</u> . Expert in <u>Object Oriented Programming</u> . Has written books on <u>Smalltalk</u> .	1010 [Person]
1102	Louise Wannier		CEO of <u>DEXIS</u> .	1010 [Person]
1103	HTML is a standard for hypertext			1000 [Note]
1104	SEGA		Makes Sonic the Hedgehog	1020 [Company]
1105	Nintendo		makes Super Mario Brothers	1020 [Company]
1106	International Business Machines		They make <u>QS2</u>	1020 [Company]
1107	IBM likes Smalltalk...			1000 [Note]
1108	Microsoft		chairman is <u>Bill Gates</u>	1020 [Company]
1109	Bill Gates is CEO ...			1000 [Note]
1110	Paul Allen		Recent article about him in <u>Wired</u>	1010 [Person]
1111	Wired		Hot new magazine about computers and electronic media. See also <u>Internet</u> .	1020 [Company]
1112	Lotus		chairman is Jim Manzi. They make <u>Notes</u>	1020 [Company]
1113	Notes is a successful groupware product.			1000 [Note]
1114	Arabesque		makes <u>Ecco</u> .	1020 [Company]
1115	Ecco is a limited PIM...			1000 [Note]
1116	The Internet has 40 million users.			1000 [Note]
1117	3M		makes post-it notes	1020 [Company]
1118	1984		a novel about a <u>dystopia</u>	1030 [Book]

1 [Obj]	2 [Label]	3 [Identifier]	4 [Comment]	101 [Type Id]
1119	Animal Farm		Satire on communism	1030 [Book]
1120	Brave New World		A dystopia	1030 [Book]
1121	Aldous Huxley			1010 [Person]
1122	George Orwell			1010 [Person]
1123	Work on patent applications			1000 [Note]
1124	Marketing report			1050 [Memo]
1125	Louise, Check out the article in PC Week			1000 [Note]
1126	Scott This is a deleted note			1000 [Note]
1127	Project Plan			1060 [Document]
1128	1994 Budget			1060 [Document]
Examples of Folders				
1070	Contacts	folderContacts	This is the folder for contacts	310 [Folder]
1071	Calendar	folderCalendar	This is the folder for important dates	310 [Folder]
1072	In Box	folderInBox	This is the folder for in box items	310 [Folder]
1073	Out Box	folderOutBox	This is the folder for out box items	310 [Folder]
1074	To Do	folderToDo	This is the folder for to dos	310 [Folder]
1075	Trash	folderTrash	This is the folder for trash	310 [Folder]
Examples of Queries				
1081	"IBM"		This query finds records which use the important word "IBM", and all records related to those (that is: association level=2).	510 [Query]
1082	"IBM"; "Smalltalk"		This query finds records which use the important words "IBM" and "Smalltalk" and words related to IBM and Smalltalk through concepts (that is: concept level=1).	510 [Query]
1083	Similar to "DEXIS"		This query finds records which are similar to the "DEXIS" record.	510 [Query]
Examples of important words				

1 [Obj]	2 [Label]	3 [Identifier]	4 [Comment]	101 [Type Id]
1200	DEXIS			Term
1201	Scott Wiaschin			610 [Term]
1202	Smalltalk			610 [Term]
1203	IBM			610 [Term]
1204	International Business Machines			610 [Term]
1205	Dystopia			610 [Term]
1206	Hypertext			610 [Term]
1207	HTML			610 [Term]
1208	Hypertext Markup Language			610 [Term]
1209	Union			610 [Term]
1210	Ventura			610 [Term]
1211	Wiaschin			610 [Term]
Examples of Concepts				
1300	IBM			710 [Concept]
1301	IBM PC			710 [Concept]
1302	Microsoft			710 [Concept]
1303	Computer companies			710 [Concept]
1305	HTML			710 [Concept]

Column support						
1 [Old]	120 [Supertype]	121 [Subtypes]	122 [Label Generator]	123 [Default Folder for Instances]	201 [Column Domain]	202 [Hidden Attribute]
					203 [Column Prompt]	204 [Inherit default value from]
220 [Synchronize with]						
Basic						
1					Old	TRUE
2					Text	TRUE
3					Text	TRUE
4					Text	
Type						
Type						
101					Old	TRUE
Attrit						
120					Old	
121					Old	
122					Method	
123					Text	
Type:						
110	(null)	111 [Type]; 210 [Column]; 310 [Icon]; 410 [Folder];				
111	110 [Root Type]		Label	Label (inherited)		
Folde						
130				usertypes		
131						
Icons						
140						
Colui						
Attrit						
201					Text	
202					Boolean	
203					Text	
204					Old	
Attrit						
220					Old	
101 [Type Id]						
101 [Type Id]						
121 [Subtypes]						
120 [Supertype]						

[illegible]

1 [Old]	120 [Supertype]	121 [Subtypes]	122 [Label Generator]	123 [Default Folder for Instances]	201 [Column Domain]	202 [Hidden Attribute]	203 [Column Prompt]	204 [Inherit default value from]	220 [Synchronize with]
334									
Icons									
340									
Icon									
Icon-									
401									
Attrit									
420			Label (inherited)	none					
421			Label (inherited)	none					
Type:									
410	110 [Root Type]		Label (inherited)	none					
Folde									
430									
431									
Icons									
440									
Quer									
Attrit									
520					Old	TRUE			
521					Old	TRUE			
Type:									
510	110 [Root Type]		Label (inherited)	userqueries					
Folde									
530									
531									
Icons									
540									
Impo									
Term									
601					Boolean				
602					Boolean				
Attrit									
620					CellLink				
621					ConceptOld				
Type:									
610	110 [Root Type]		Label (inherited)	index\natural					

1 [Oid]	120 [Supertype]	121 [Subtypes]	122 [Label Generator]	123 [Default Folder for Instances]	201 [Column Domain]	202 [Hidden Attribute]	203 [Column Prompt]	204 [Inherent default value from]	220 [Synchronize with]
Folde									
630									
631									
Conc									
Attrit									
701					Oid				
702					Oid				
703					ConceptOid				704 [More general terms]
704					ConceptOid				703 [More Specific Terms]
705					ConceptOid				705 [See also]
Type:									
710	110 [Root Type]		Label (inherited)	none					
Reco									
Attrit									
801					CellDirectory				
Supf									
Blank									
1000			Note						
1001									
1002					Text				
Peop									
1010			Name						
1011									
1012					Text				
1013					Text				
1014					Text				
1015					Text				
1016					Text				
1017					Text				
1018					Text				1019 [Employed By]
1019					Text				1017 [Phone]
Comf									
					Oid				1024 [Employees]

1 [Obj]	120 [Supertype]	121 [Subtypes]	122 [Label Generator]	123 [Default Folder for Instances]	201 [Column Domain]	202 [Hidden Attribute]	203 [Column Prompt]	204 [Inherit default value from]	220 [Synchronize with]
1020			Company						
1021					Text				
1022					Text				
1023					Old				
1024									1019 [Employed By]
Book									
1030			Title						
1031					Old				
1032					Text				
1033					Text				
1034					Date				
1035									
Appo									
1040			Who+Why						
1041									
1042					Text				
1043					Date				
1044					Text				
Mem									
1050			Subject						
1051									
1052					Text				
1053					Text				
1054					Text				
1055					Date				
Supp									
1060			Document Path						
1061									
1062					Text				
1063									
Exan									
1100					Text				

[illegible]

Folder Support				Icon Support		Query supp
1 [Old]	221 [Search path] Type	222 [Restrict to 223 [Identifier?]	224 [Lookup required?]	225 [Internally stored lookup list]	226 [Source for lookup]	301 [Parent Folder] 320 [Folder Children] 420 [Icon Id] 421 [Icon File] 520 [OldList]
Basic						
1						
2						
3		TRUE				
4						
Type						
Type						
101	..types					
Attrit						
120	..types					
121	..types					
122						
123						
Type:						
110						
111						
Folde						
130						
131						
Icons						
140						
Colu						
Attrit						
201		yes				
202						
203						
204	..columns					
Attrit						
220	..columns					

1 [Old]	221 [Search path] Type	222 [Restricted to 223 [Identifier?]]	224 [Lookup required?]	225 [Internally stored lookup list]	226 [Source for lookup]	301 [Parent Folder] 320 [Folder Children]	420 [Icon Id] 421 [Icon File]	520 [OldList]
221						230 [system\columns]		
222	Types	111 [Type]				230 [system\columns]		
Attrit						230 [system\columns]		
223						230 [system\columns]		
Attrit						230 [system\columns]		
224						230 [system\columns]		
225						230 [system\columns]		
226			TRUE	None; List; Query	List	230 [system\columns]		
Type:						130 [system\types]	240 [Column]	
210						331 [system\]		
Folde						332 [user\]		
230						430 [system\icons]	column.ico	
231								
Icons								
240								
Folde								
301		310 [Folder]				231 [user\columns]		
Attrit						230 [system\columns]		
320						130 [system\types]	340 [Folder]	
Type:								
310								
Stanc								
330						330 [(root)]		
331						330 [(root)]	131 [Types]; 231 [Columns]; 431 [Icons]; 1070 [Contacts]; 1071 [Calendar...]; etc	
332								
333						330 [(root)]		

[Id]	221 [Search path] Type	222 [Restricted to 223 [Identifier?]	224 [Lookup required?]	225 [Internally stored lookup list]	226 [Source for lookup]	301 [Parent Folder] 320 [Folder Children]	420 [Icon Id] 421 [Icon File]	520 [Old List]
1020						131 [usertypes]	1021 [Company]	
1021						431 [usericons]	company.ico	
1022						231 [usercolumns]		
1023						231 [usercolumns]		
1024	contacts; personnel	1010 [Person]				231 [usercolumns]		
Book								
1030						131 [usertypes]	1031 [Book]	
1031						431 [usericons]	book.ico	
1032		1010 [Person]				231 [usercolumns]		
1033						231 [usercolumns]		
1034						231 [usercolumns]		
1035						231 [usercolumns]		
Appo								
1040						131 [usertypes]	1041 [Appointment]	
1041						431 [usericons]	appoint.ico	
1042						231 [usercolumns]		
1043						231 [usercolumns]		
1044						231 [usercolumns]		
Mem								
1050						131 [usertypes]	1051 [Memo]	
1051						431 [usericons]	memo.ico	
1052						231 [usercolumns]		
1053						231 [usercolumns]		
1054						231 [usercolumns]		
1055						231 [usercolumns]		
Supp								
1060						131 [usertypes]	1061 [Document]	
1061						431 [usericons]	document.ico	
1062			yes	Text; Image; Spreadsheet; Executable	List	231 [usercolumns]		
1063						231 [usercolumns]		
Exan								
1100						333 [Log]; 1070 [Contacts]		

1 [Old]	221 [Search path]	222 [Resid to 223]	224 [Lookup 225 [Internally stored lookup list]	226 [Source for lookup]	301 [Parent Folder]	320 [Folder Children]	420 [Icon Id]	421 [Icon File]	520 [OldList]
1101					333 [Log\]; 1070 [Contacts]				
1102					333 [Log\]; 1070 [Contacts]				
1103					333 [Log\]				
1104					333 [Log\]; 1070 [Contacts]				
1105					333 [Log\]; 1070 [Contacts]				
1106					333 [Log\]; 1070 [Contacts]				
1107					333 [Log\]				
1108					333 [Log\]				
1109					333 [Log\]				
1110					333 [Log\]; 1070 [Contacts]				
1111					333 [Log\]; 1070 [Contacts]				
1112					333 [Log\]; 1070 [Contacts]				
1113					333 [Log\]				
1114					333 [Log\]				
1115					333 [Log\]				
1116					333 [Log\]				
1117					333 [Log\]				
1118					333 [Log\]				

1 [Obj]	201 [Parent Folder]	320 [Folder Children]	420 [Icon Id]	421 [Icon File]	520 [Old List]
1119	333 [Log\]				
1120	333 [Log\]				
1121	333 [Log\]				
1122	333 [Log\];				
1123	333 [Log\]; 1074 [To Do]				
1124	333 [Log\]; 1072 [In Box]				
1125	1073 [Out Box]				
1126	1075 [Trash]				
1127	333 [Log\]				
1128	333 [Log\]				
Exan					
1070	332 [user\]	1100 [DEXIS]; 1101 [Scott...]; 1102 [Louise ...]; etc			
1071	332 [user\]	1112 [Call Louise...]			
1072	332 [user\]	1124 [Marketing Report]			
1073	332 [user\]	1125 [Louise, check...]			
1074	332 [user\]	1123 [Work on patent...]			
1075	332 [user\]	1126 [This is a deleted...]			
Exan					
1081	531 [user\query]				1203 [IBM]
1082	531 [user\query]				1203 [IBM]; 1202 [Smalltalk]
1083	531 [user\query]				1100 [DEXIS]
Exan					

ort		Term support		Concept support			
1 [Ord]	521 [Options]	601 [Index Whole?]	602 [Weight]	620 [Call ids]	621 [Parent Concept]	701 [Concept Name]	702 [Synonyms]
Basic							
1							
2							
3							
4							
Type							
Type							
101							
Attrit							
120							
121							
122							
123							
Type:							
110							
111							
Folde							
130							
131							
Icons							
140							
Colui							
Attrit							
201							
202							
203							
204							
Attrit							
220							

1 [Id]	521 [Options]	601 [Index Whole?]	602 [Weight]	620 [Cell Ids]	621 [Parent Concept]	701 [Concept Name]	702 [Synonyms]
221							
222							
Attrit							
223							
Attrit							
224							
225							
226							
Type:							
210							
Folde							
230							
231							
Icons							
240							
Foldi							
Folde							
301							
Attrit							
320							
Type:							
310							
Stanc							
330							
331							
332							
333							

1 [Id]	521 [Options]	601 [Index Whole?]	602 [Weight]	620 [Cell Ids]	621 [Parent Concept]	701 [Concept Name]	702 [Synonyms]
334							
Icons							
340							
Icon							
Icon-							
401							
Attrit							
420							
421							
Type:							
410							
Folde							
430							
431							
Icons							
440							
Quer							
Attrit							
520							
521							
Type:							
510							
Folde							
530							
531							
Icons							
540							
Impo							
Term							
601							
602							
Attrit							
620							
621							
Type:							
610							

1 [Ord]	521 [Options]	601 [Index Whole?]	602 [Weight]	620 [Cell Ids]	621 [Parent Concept]	701 [Concept Name]	702 [Synonyms]
Folde							
630							
631							
Conc							
Attrit							
701							
702							
703							
704							
705							
Type:							
710							
Reco							
Attrit							
801							
Supp							
Blank							
1000							
1001							
1002			50				
Peop							
1010							
1011							
1012		Yes	100				
1013			50				
1014			50				
1015			50				
1016			50				
1017			50				
1018			50				
1019			50				
Comf							

1 [Id]	521 [Options]	601 [Index Whole?]	602 [Weight]	620 [Cell Ids]	621 [Parent Concept]	701 [Concept Name]	702 [Synonyms]
1020							
1021							
1022		Yes	100				
1023		Yes	100				
1024		Yes	100				
Book							
1030							
1031							
1032		Yes	100				
1033		Yes	100				
1034			100				
1035							
Appo							
1040							
1041							
1042		Yes	100				
1043		Yes	100				
1044			80				
Mem							
1050							
1051							
1052		Yes	90				
1053		Yes	90				
1054			90				
1055		Yes	90				
Supp							
1060							
1061							
1062							
1063			0				
1064			0				
Exan							
1100							

1 [Old]	521 [Options]	601 [Index Whole?]	602 [Weight]	620 [Cell Ids]	621 [Parent Concept]	701 [Concept Name]	702 [Synonyms]
1101							
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1107							
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1111							
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[illegible]

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1201							
1202							
1203					1300 [IBM]		
1204					1300 [IBM]		
1205							
1206					1305 [HTML]		
1207					1306 [HTML]		
1208							
1209							
1210							
1211							
Exan							
1300						1203 [IBM]; 1203 [IBM]; 1204 [International Business Machines]	
1301							
1302							
1303							
1305						1207 [HTM 1207 [HTML]; 1208 [Hypertext Markup Language]	

Support for Standard Objects			
Record Support			
1 [Old]	703 [More Specific Terms]	704 [More general terms]	705 [See also]
1002 [Notes]			
Basic			
1			
2			
3			
4			
Type			
Type			
101			
Attrit			
120			
121			
122			
123			
Type:			
110			
111			
Folde			
130			
131			
Icons			
140			
Colui			
Attrit			
201			
202			
203			
204			
Attrit			
220			

1001 [Id]	703 [More Specific Terms]	704 [More general terms]	705 [See also]	801 [Record Contents]	1002 [Notes]
221					
222					
Attrit					
223					
Attrit					
224					
225					
226					
Type:					
210					
Folde					
230					
231					
Icons					
240					
Folde					
Folde					
301					
Attrit					
320					
Type:					
310					
Stanc					
330					
331					
332					
333					

1 [Old]	703 [More Specific Terms]	704 [More general terms]	705 [See also]	801 [Record Contents]	1002 [Notes]
334					
Icons					
340					
Icon					
Icon-					
401					
Attrit					
420					
421					
Type:					
410					
Folde					
430					
431					
Icons					
440					
Quer					
Attrit					
520					
521					
Type:					
510					
Folde					
530					
531					
Icons					
540					
Impo					
Term					
601					
602					
Attrit					
620					
621					
Type:					
610					

1 [Old]	703 [More Specific Terms]	704 [More general terms]	705 [See also]	801 [Record Contents]	1002 [Notes]
Folde					
630					
631					
Conc					
Attrit					
701					
702					
703					
704					
705					
Type:					
710					
Reco					
Attrit					
801					
Supp					
Blank					
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1016					
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1 [Id] 703 [More Specific Terms]	704 [More general terms]	705 [See also]	801 [Record Contents]	1002 [Notes]
1020				
1021				
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1023				
1024				
Book				
1030				
1031				
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Memu				
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1055				
Supp				
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1062				
1063				
Exan				
1100				

101 [Type Id]; 301 [Parent Folder];
1022 [Company]; 1023 [Type of
business]; 1013 [Address]; 1014 [City];
1015 [State]; 1017 [Phone]; 4

1 [Out] 703 [More Specific Terms]	704 [More general terms]	705 [See also]	801 [Record Contents]	1002 [Notes]
1101			101 [Type Id]; 301 [Parent Folder]; 1012 [Name]; 1013 [Address]; 1014 [City]; 1015 [State]; 1022 [Company]; 4 [Comment]	
1102			101 [Type Id]; 301 [Parent Folder]; 1012 [Name]; 1014 [City]; 1022 [Company]; 4 [Comment]	<u>HIML</u> is a standard for <u>hypertext</u>
1103			101 [Type Id]; 301 [Parent Folder]; 1002 [Note]	
1104			101 [Type Id]; 301 [Parent Folder]; 1022 [Company]; 1023 [Type of business]; 4 [Comment]	
1105			101 [Type Id]; 301 [Parent Folder]; 1022 [Company]; 1023 [Type of business]; 4 [Comment]	
1106			101 [Type Id]; 301 [Parent Folder]; 1022 [Company]; 1023 [Type of business]; 4 [Comment]	
1107			101 [Type Id]; 301 [Parent Folder]; 1002 [Note]	IBM likes <u>Smalltalk</u> . They asked <u>Scott Wlaschin</u> to write their manuals.
1108			101 [Type Id]; 301 [Parent Folder]; 1022 [Company]; 1023 [Type of business]; 4 [Comment]	
1109			101 [Type Id]; 301 [Parent Folder]; 1002 [Note]	Bill Gates is CEO of <u>Microsoft</u> . He co- founded it with <u>Paul Allen</u> .
1110			101 [Type Id]; 301 [Parent Folder]; 1012 [Name]; 4 [Comment]	
1111			101 [Type Id]; 301 [Parent Folder]; 1022 [Company]; 1023 [Type of business]; 4 [Comment]	
1112			101 [Type Id]; 301 [Parent Folder]; 1022 [Company]; 1023 [Type of business]; 4 [Comment]	<u>Notes</u> is a successful <u>groupware</u> product. However, it still relies on the MIS model and does not give power to the end-user.
1113			101 [Type Id]; 301 [Parent Folder]; 1002 [Note]	
1114			101 [Type Id]; 301 [Parent Folder]; 1022 [Company]; 1023 [Type of business]; 4 [Comment]	Ecco is a limited <u>PIM</u> , not a foundation for information apps. The <u>Internet</u> has 40 million users.
1115			101 [Type Id]; 301 [Parent Folder]; 1002 [Note]	
1116			101 [Type Id]; 301 [Parent Folder]; 1002 [Note]	
1117			101 [Type Id]; 301 [Parent Folder]; 1022 [Company]; 1023 [Type of business]; 4 [Comment]	
1118			101 [Type Id]; 301 [Parent Folder]; 1033 [Title]; 1032 [Author]; 4	

1 [Obj]	703 [More Specific Terms]	704 [More general terms]	705 [See also]	801 [Record Contents]	1002 [Notes]
1119				101 [Type Id]; 301 [Parent Folder]; 1033 [Title]; 1032 [Author]; 4	
1120				101 [Type Id]; 301 [Parent Folder]; 1033 [Title]; 1032 [Author]; 4	
1121				101 [Type Id]; 301 [Parent Folder]; 1032 [Author]; 4 [Comment]	
1122				101 [Type Id]; 301 [Parent Folder]; 1032 [Author]; 4 [Comment]	
1123				101 [Type Id]; 301 [Parent Folder]; 1002 [Note]	Work on patent applications
1124				101 [Type Id]; 301 [Parent Folder]; To; From; Subject	I need the research on hyper text and HTML from you later today. Scott
1125				101 [Type Id]; 301 [Parent Folder]; 1002 [Note]	Louise. Check out the article in PC Week Scott
1126				101 [Type Id]; 301 [Parent Folder]; 1002 [Note]	This is a deleted note. It is in the Trash folder
1127				101 [Type Id]; 301 [Parent Folder]; 1013 [Address];	
1128				101 [Type Id]; 301 [Parent Folder]; 1013 [Address];	
Exan					
1070					
1071					
1072					
1073					
1074					
1075					
Exan					
1081					
1082					
1083					
Exan					

1 [Old]	703 [More Specific Terms]	704 [More general terms]	705 [See also]	801 [Record Contents]	1002 [Notes]
1200					
1201					
1202					
1203					
1204					
1205					
1206					
1207					
1208					
1209					
1210					
1211					
Exan					
1300	1301 [IBM PC], weight=100%	1303 [Computer Companies], weight=60%		1302 [Microsoft], weight=70%	
1301	1300 [IBM], weight=50;				
1302				1300 [IBM], weight=70%	
1303		1300 [IBM], weight=100%			
1305				1206 [Hypertext], weight=90%	

[illegible]

[illegible]

[illegible]

1 [Ord]	1012 [Name]	1013 [Address]	1014 [City]	1015 [State]	1016 [Zip]	1017 [Phone]	1018 [Work Phone]	1019 [Employed By]	1022 [Company]	1022 [Type of Business]	1023 [Employees]
Folde											
630											
631											
Conc											
Attrit											
701											
702											
703											
704											
705											
Type:											
710											
Reco											
Attrit											
801											
Supp											
Blank											
1000											
1001											
1002											
Peop											
1010											
1011											
1012											
1013											
1014											
1015											
1016											
1017											
1018											
1019											
Comf											

1 [Ord]	1012 [Name]	1013 [Address]	1014 [City]	1015 [State]	1016 [Zip]	1017 [Phone]	1018 [Work Phone]	1019 [Employed By]	1022 [Company Business]	1022 [Type of Business]	1023 [Employees]
1020											
1021											
1022											
1023											
1024											
Book											
1030											
1031											
1032											
1033											
1034											
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Appo											
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1053											
1054											
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Supp											
1060											
1061											
1062											
1063											
Exan											
1100											

1101 [Scott
Wlaschin]; 1102
[Louise Wannier]

DEXIS

117 E Colorado Pasadena CA 91105 577-0044

Software

1 [Id]	1012 [Name]	1013 [Address]	1014 [City]	1015 [State]	1016 [Zip]	1017 [Phone]	1018 [Work Phone]	1019 [Employed By]	1022 [Company]	1022 [Type of Business]	1023 [Employees]
1101	<u>Scott Wlaschln</u>	777 N Chesler	Pasadena	CA	91104		577-0044 (inherited from DEXIS)	1100 [DEXIS]			
1102	<u>Louise Wannier</u>		Pasadena				577-0044 (inherited from DEXIS)	1100 [DEXIS]			
1103											
1104									<u>SEGA</u>		
1105										<u>Video Games</u>	
1106									<u>International Business Machines</u>	<u>Video Games</u>	
1107										<u>Computers</u>	
1108									<u>Microsoft</u>		
1109										<u>Software</u>	
1110	<u>Paul Allen</u>										
1111									<u>Wired</u>		
1112									<u>Lotus</u>	<u>Magazine</u>	
1113										<u>Software</u>	
1114									<u>Arabesque</u>		
1115										<u>Software</u>	
1116											
1117				Minnesota					<u>3M</u>		
1118										<u>Office supplies</u>	

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

1 [Oid]	1032 [Author]	1033 [Title]	1034 [Publisher]	1035 [Date of publication]	1042 [Who with]	1043 [When]	1044 [Why]	1052 [From]	1053 [To]	1054 [Subject]
Folde										
630										
631										
Conc										
Attrit										
701										
702										
703										
704										
705										
Type:										
710										
Reco										
Attrit										
801										
Supp										
Blank										
1000										
1001										
1002										
Peop										
1010										
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1017										
1018										
1019										
Comt										

[illegible]

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1101										
1102										
1103										
1104										
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1111										
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1113										
1114										
1115										
1116										
1117										
1118	1122 [George Orwell]	1984								

[illegible]

Appendix

Appendix

METHOD AND APPARATUS FOR
IMPROVED INFORMATION STORAGE AND RETRIEVAL

1 of 1